



# FEMA



Prepared by  
*Cindy Elsenheimer*

# FEMA Region 6 Weather Threat Briefing

Saturday, June 1, 2019

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

# Summary of the Upcoming Week



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- **Today - Monday**

- Slight risk for severe thunderstorms today and Sunday across E NM, W & N TX into OK. Large hail and damaging winds the primary hazards. Marginal risk for severe storms continues into Monday across E NM into W TX.
- Heavy rainfall/flash flooding possible across OK and N & W TX through Monday.
- Elevated fire weather concerns across portions of NM.

- **Tuesday – Wednesday**

- Heavy rainfall/flash flooding threat continues across OK into N & Central TX.

- **Major River Flooding or Known Evacuations**

- The Arkansas River remains in major flood stage in OK/AR with significant impacts and evacuations. Levee failure yesterday at Dardanelle, AR.
- The MS River will crest at major flood below Cape Girardeau to near Baton Rouge and Natchez/Vicksburg this week.

- **Tropical Weather Outlook**

- 50% chance of development near Bay of Campeche; no impacts to the U.S. are anticipated at this time.

# FEMA Region 6 Threat Matrix

June 1, 2019 – Jun 5 2019



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DAY / THREAT	SAT	SUN	MON	TUE	WED
Severe Storms	W TX/E NM/OK	E NM/TX Panhandle	E NM/W TX		
		OK/NTX			
Heavy Rain / Flash Flooding	TX Panhandle	OK/TX Panhandle	OK	OK	OK/N & Central TX
	OK/N & W TX		N & W TX		
Fire Weather	S NM	W NM			
Tropical Weather					
River Flooding	OK/AR	OK/AR	OK/AR	OK/AR	OK/AR
	LA	LA	LA	LA	LA
	TX	TX	TX	TX	TX

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.\**

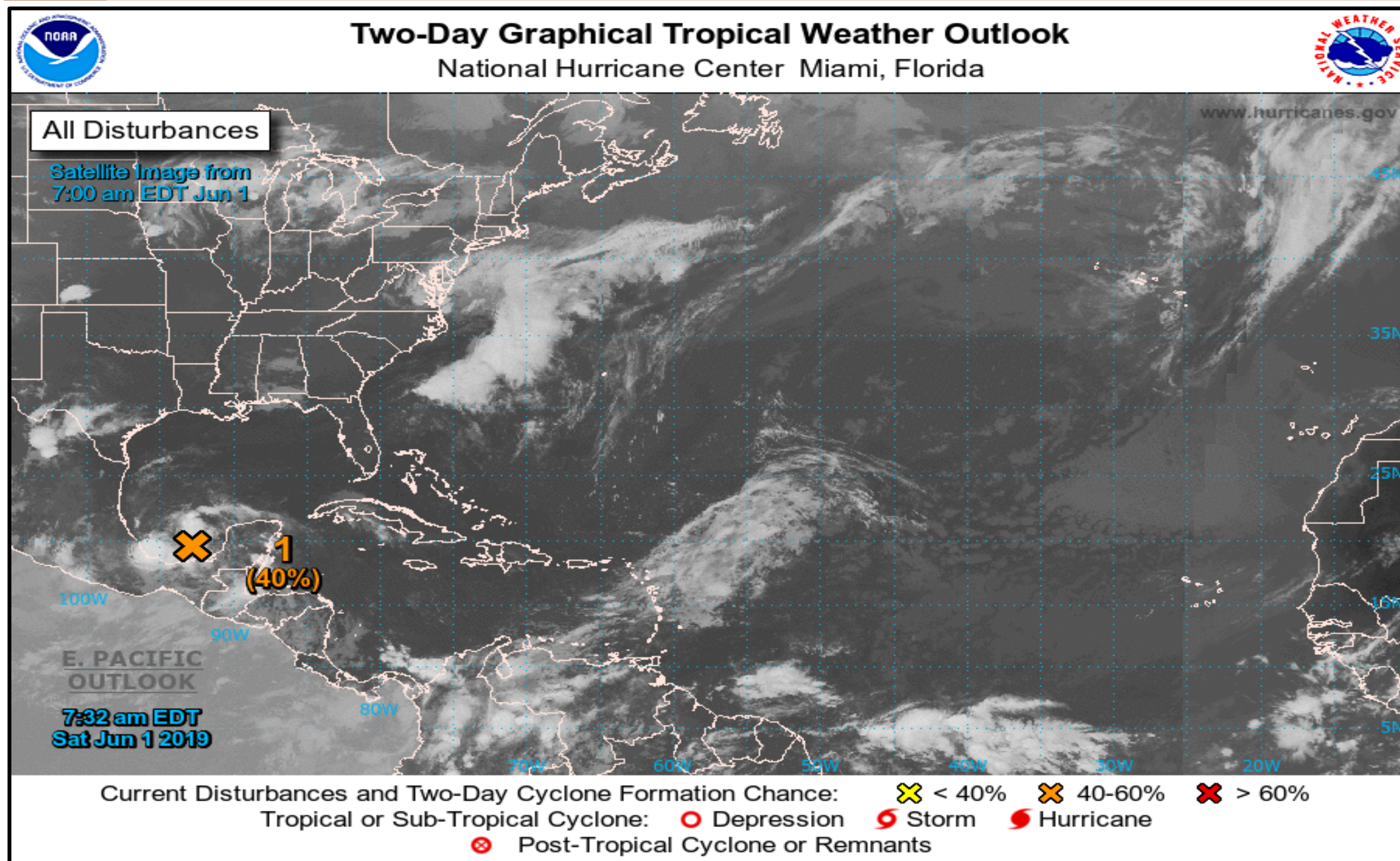
*For more details on the colors in the threat matrix refer to the last slide in this briefing.*



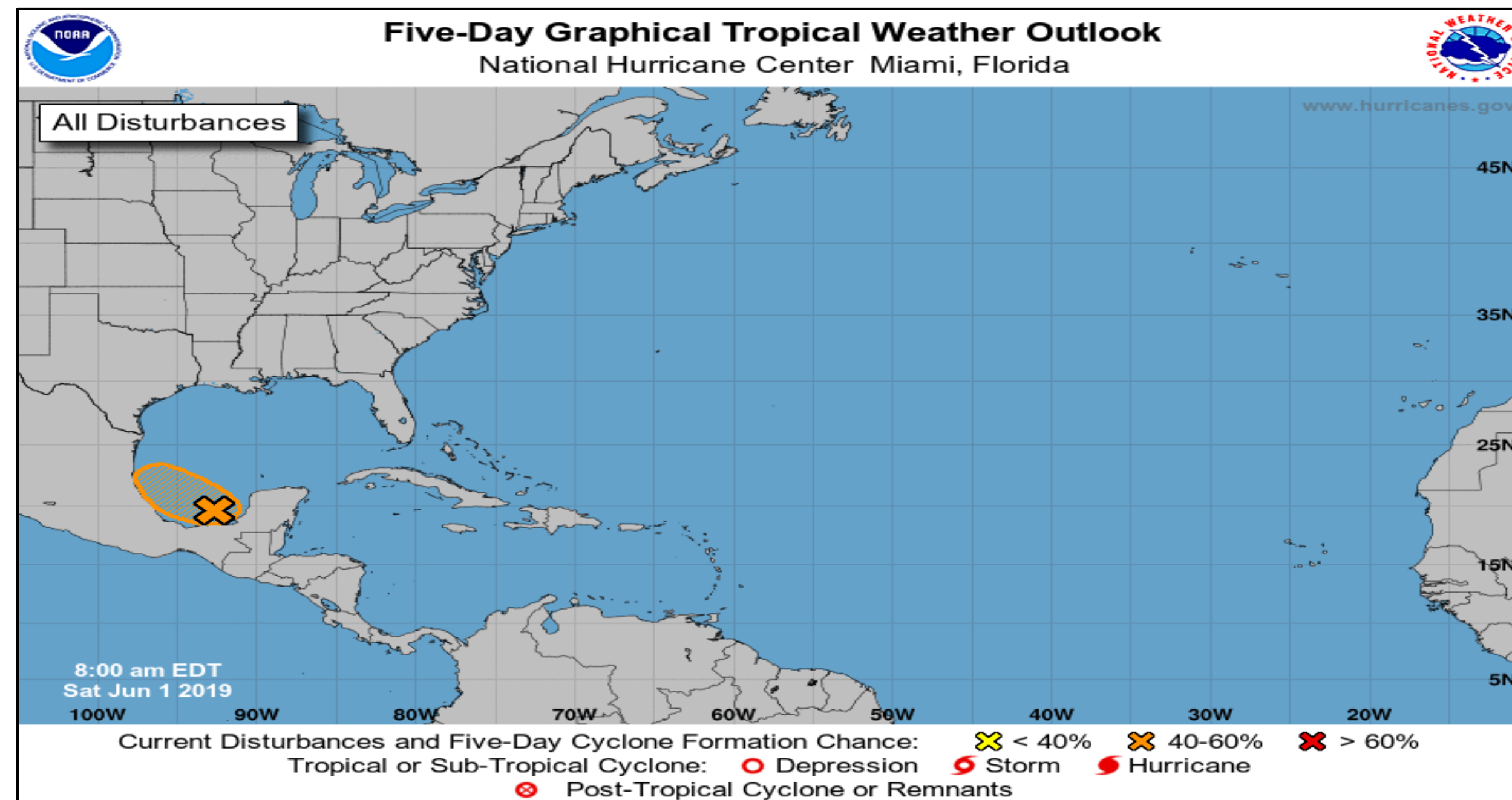
# Tropical Weather Outlook – Atlantic/Gulf



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A broad area of low pressure located over the southern Bay of Campeche is producing disorganized showers and thunderstorms. The low is forecast to move westward to west-northwestward across the southern Bay of Campeche toward the east coast of Mexico during the next few days. If the system remains over water, a tropical depression could form before it moves inland early next week. Regardless of development, the disturbance will likely produce heavy rainfall over portions of southern and southeastern Mexico during the next few days. \* Formation chance through 48 hours...medium...40 percent. \* Formation chance through 5 days...medium...50 percent.



**NO impacts to the U.S. are anticipated at this time.**

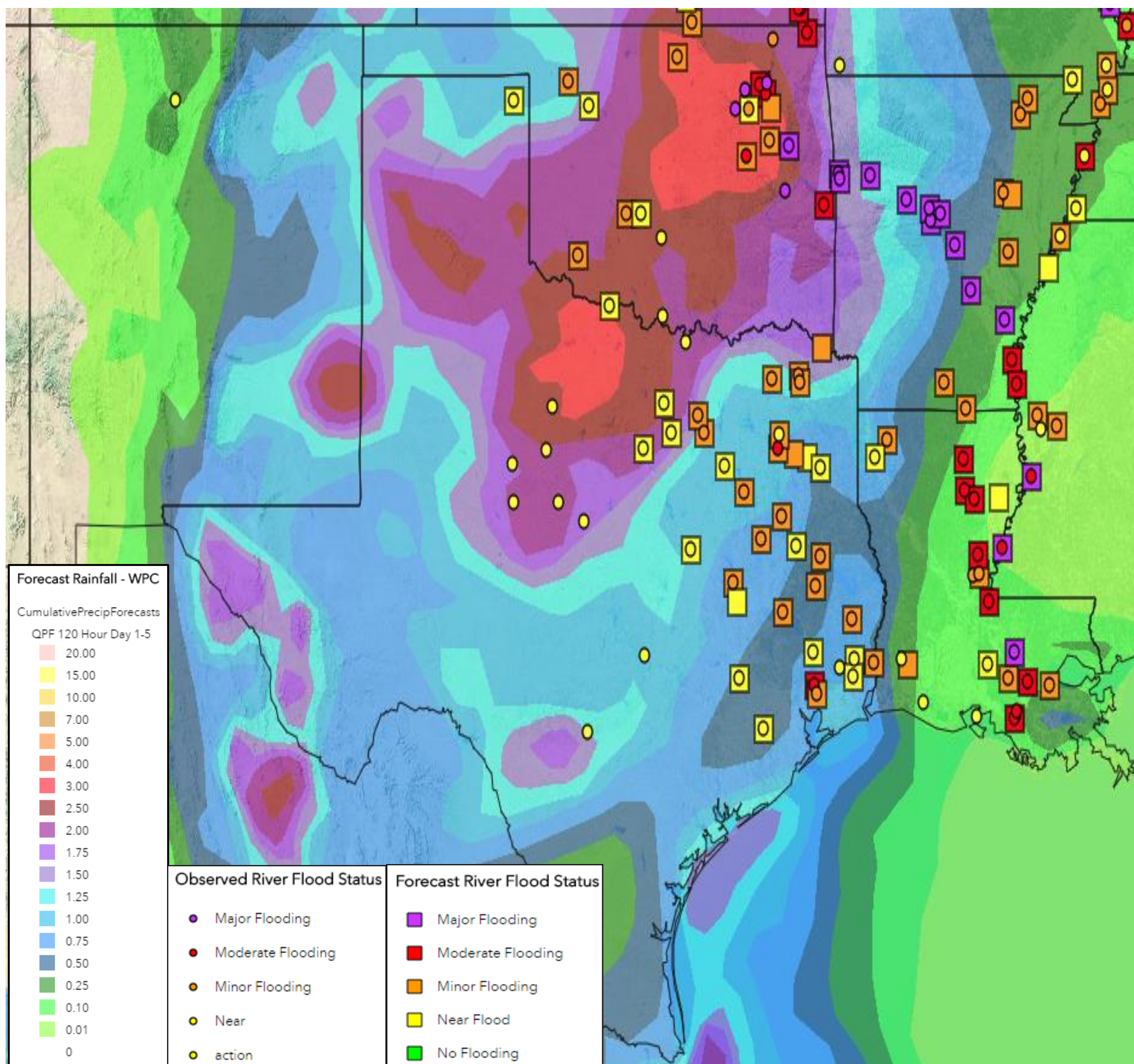


# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*



## Arkansas River:

- Numerous reservoirs flood storage is full, 5 in surcharge, 18 under 24 hour surveillance.
- Rare flooding of the Arkansas River continues (Highest since 1986).
- Major flooding is occurring on the Arkansas main stem from Muskogee, OK (46.39 ft) to western Arkansas.
- Record crest occurring on the Ark at Van Buren, AR.
- Levee failed at Dardanelle, AR.
- Major flooding & flood of record is occurring on the Arkansas River at Pendleton Ferry, AR. It is not expected to crest until next weekend at 3 feet above the previous record.

**LA: The MS River will remain in major flood at Baton Rouge through mid-June (mostly navigational impacts). The Ouachita River at Monroe has fallen to moderate flood with extensive lowland flooding. Major flooding is forecast on the MS River at Natchez, MS later this week. Impacts are primarily agriculture.**



# Today's Weather



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## Forecast Chart

## Forecast Rainfall

**Slight risk of severe storms  
over OK, W TX & TX  
Panhandle.**

**Heavy rainfall/flash flooding  
possible across the TX  
Panhandle.**

**Isolated flash flooding  
possible across W TX and  
much of OK.**

## Severe Weather Outlook

## Excessive Rainfall Outlook

Saturday, June 01, 2019

### Rainfall Outlook

01 2019  
02 2019  
Jun 01 2019  
EC  
/WPC

Risk of rainfall exceeding flash flood guidance  
within 25 miles of a point

**HIGH: > 50%**

**SLGT: 10%-20%**

**MDT: 20%-50%**

**MRGL: 5%-10%**

[www.weather.gov/srh](http://www.weather.gov/srh)

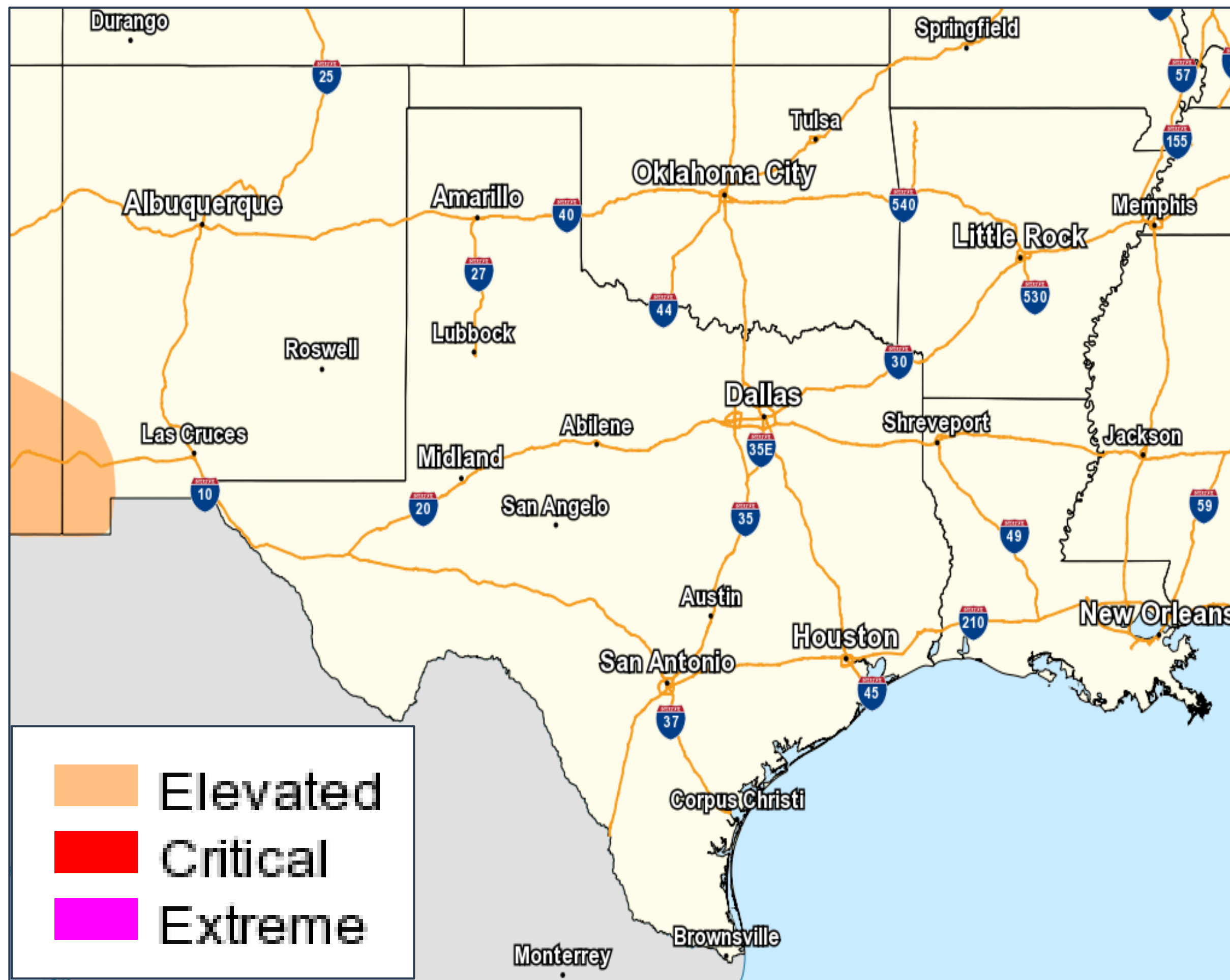


# Fire Weather Outlooks

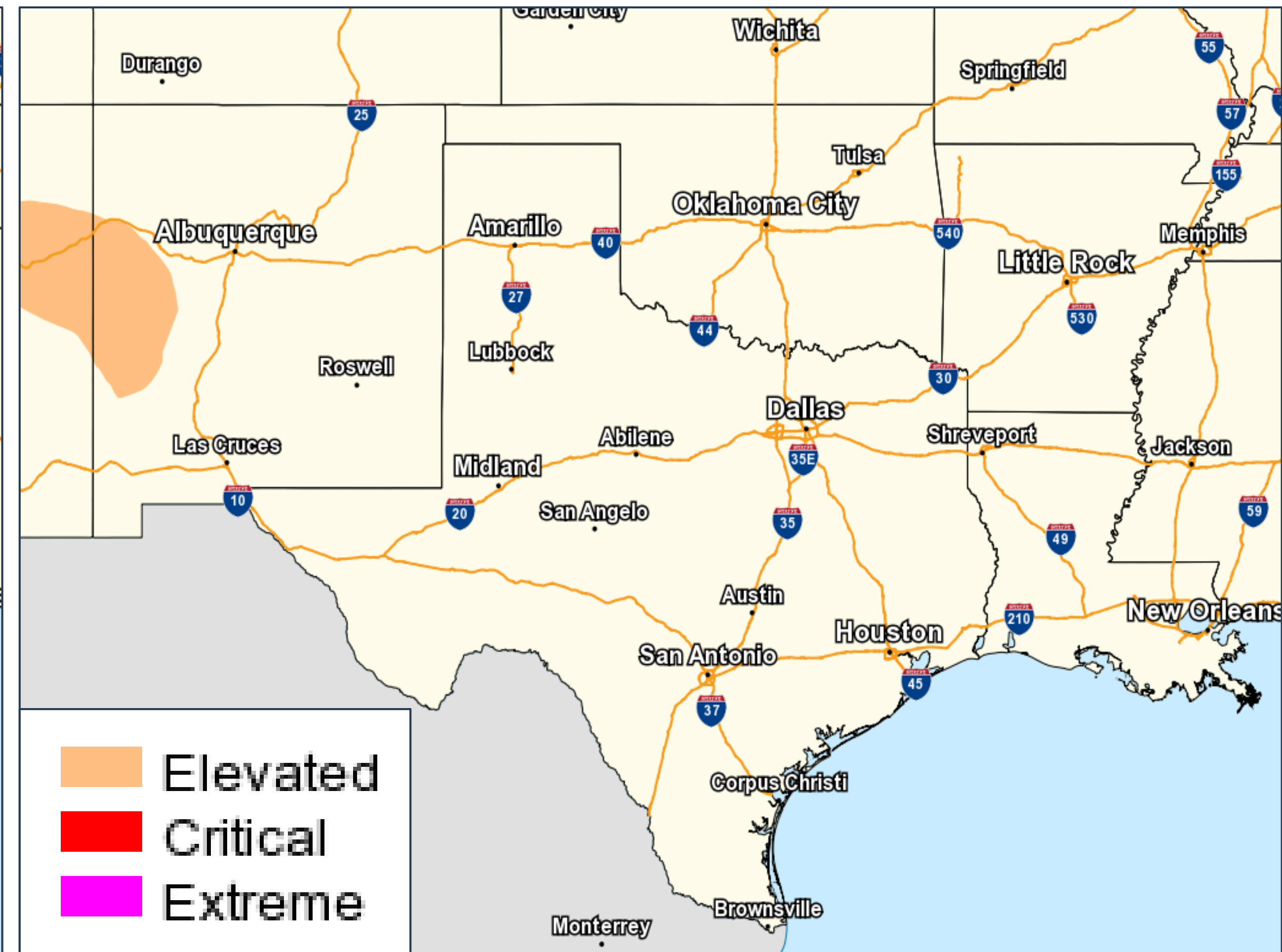


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## Today's Fire Weather Outlook



## Tomorrow's Fire Weather Outlook



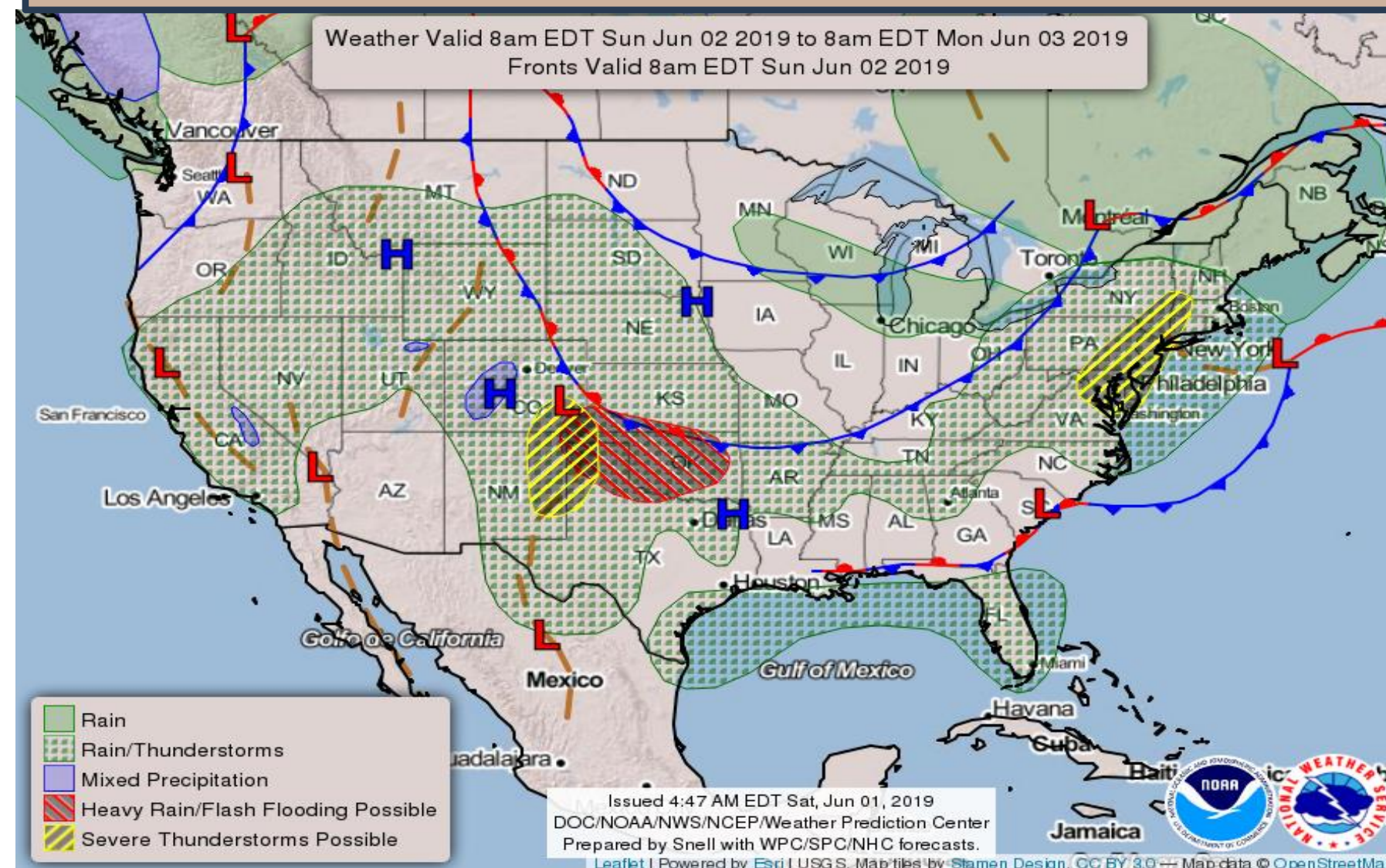


# Tomorrow's Weather

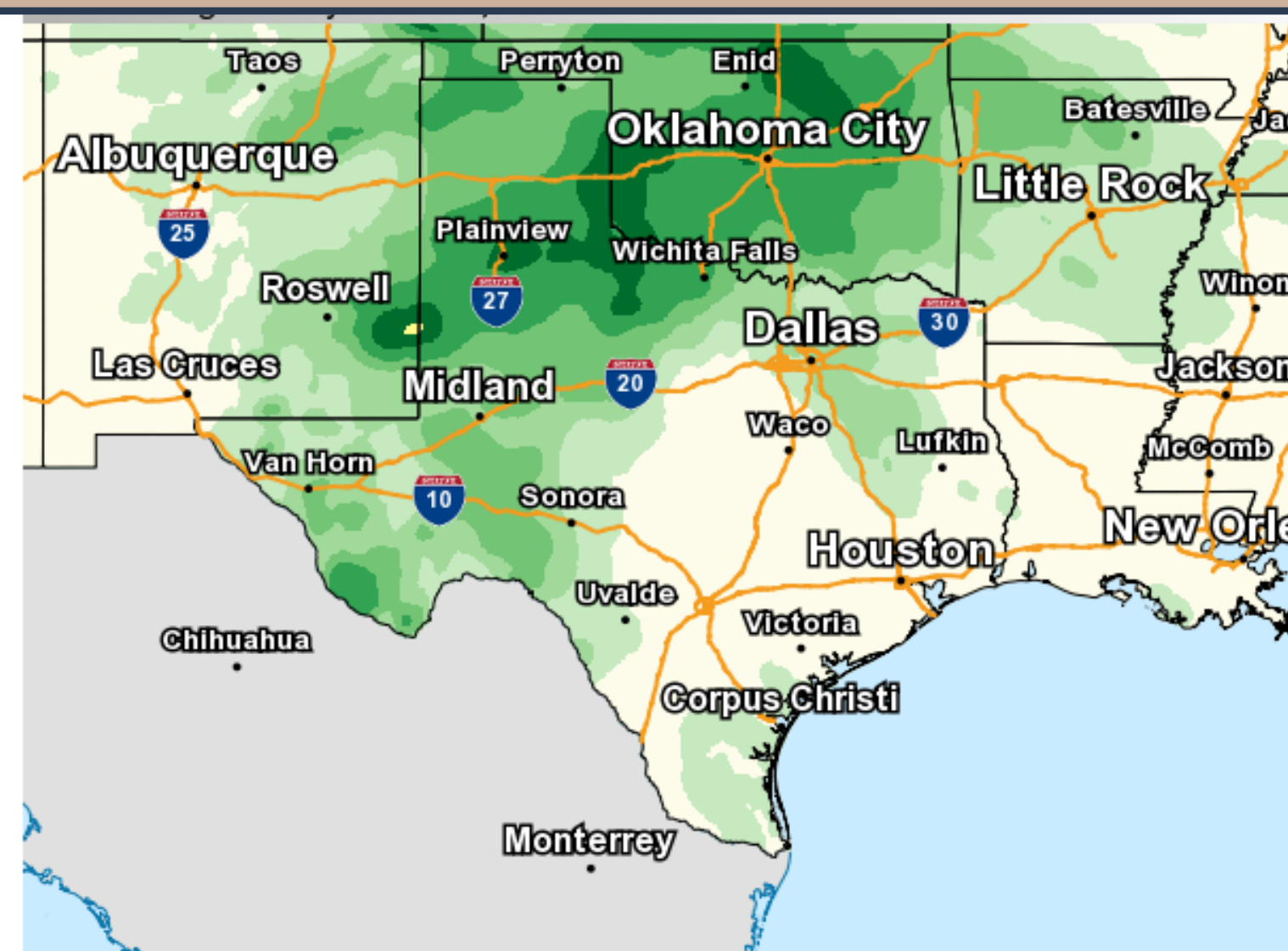
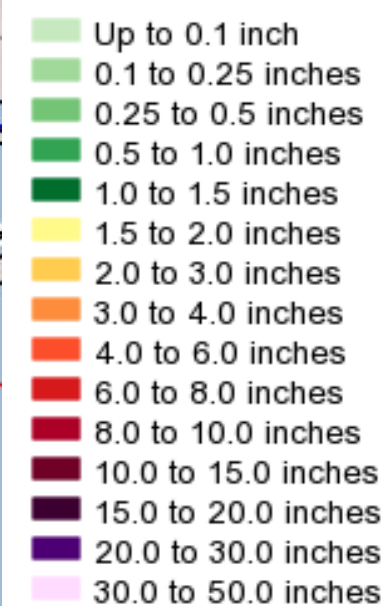


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## Forecast Chart



## Forecast Rainfall

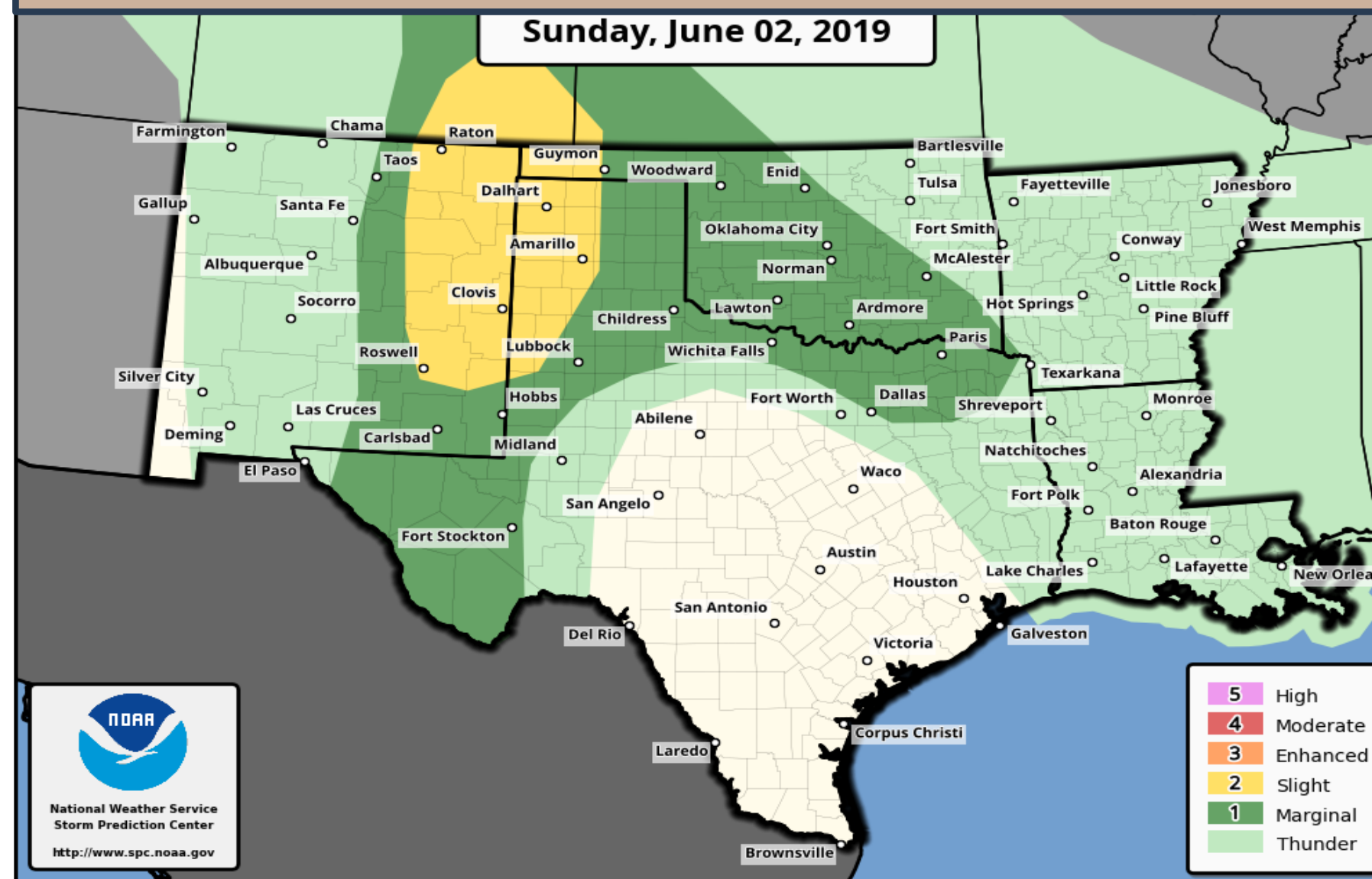


**Slight risk of severe storms  
across E NM into TX  
Panhandle**

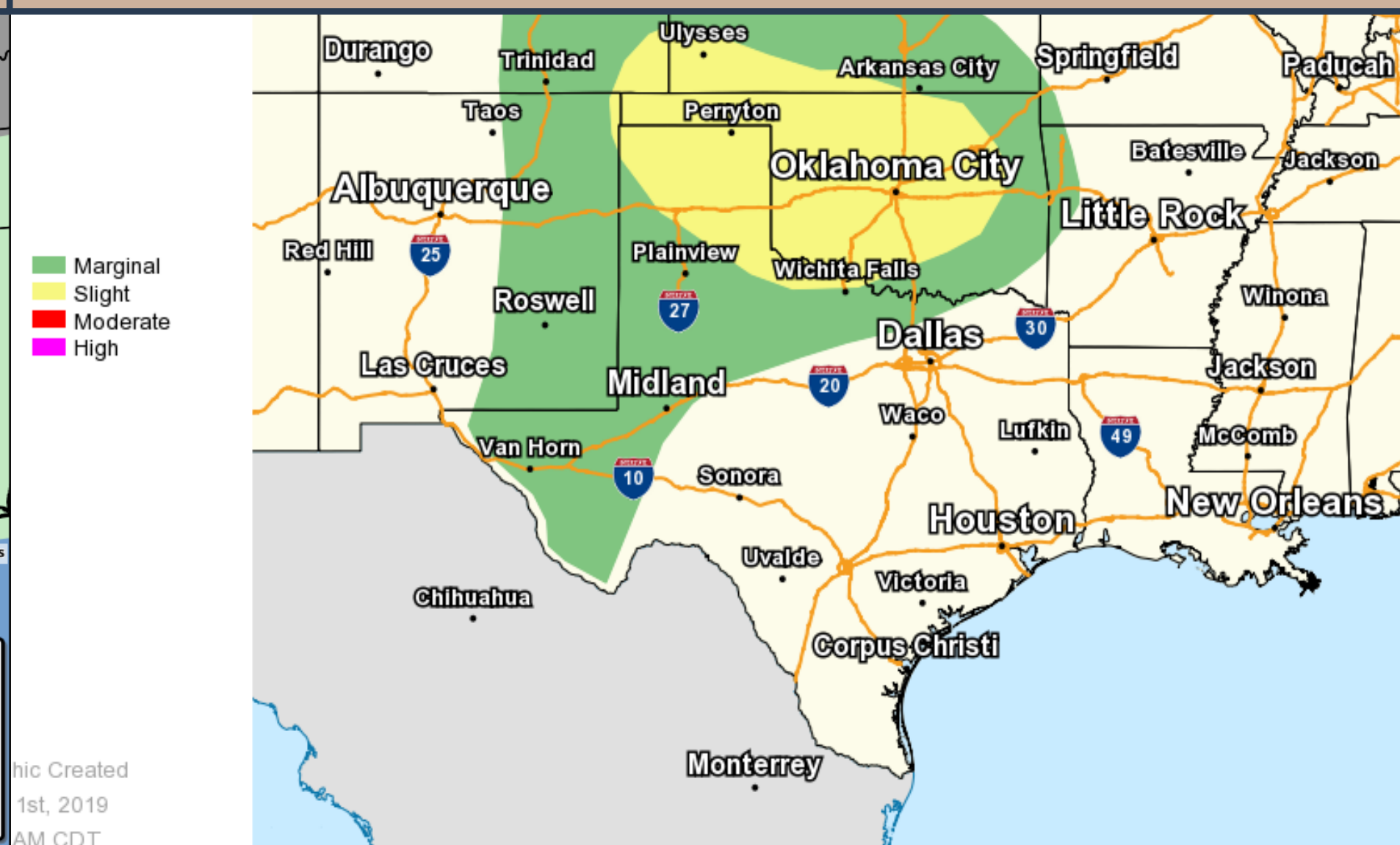
**Heavy rainfall/flash flooding  
possible across OK/TX  
Panhandle.**

**Isolated (Marginal risk) of  
severe thunderstorms  
across W TX and much of  
OK.**

## Severe Weather Outlook



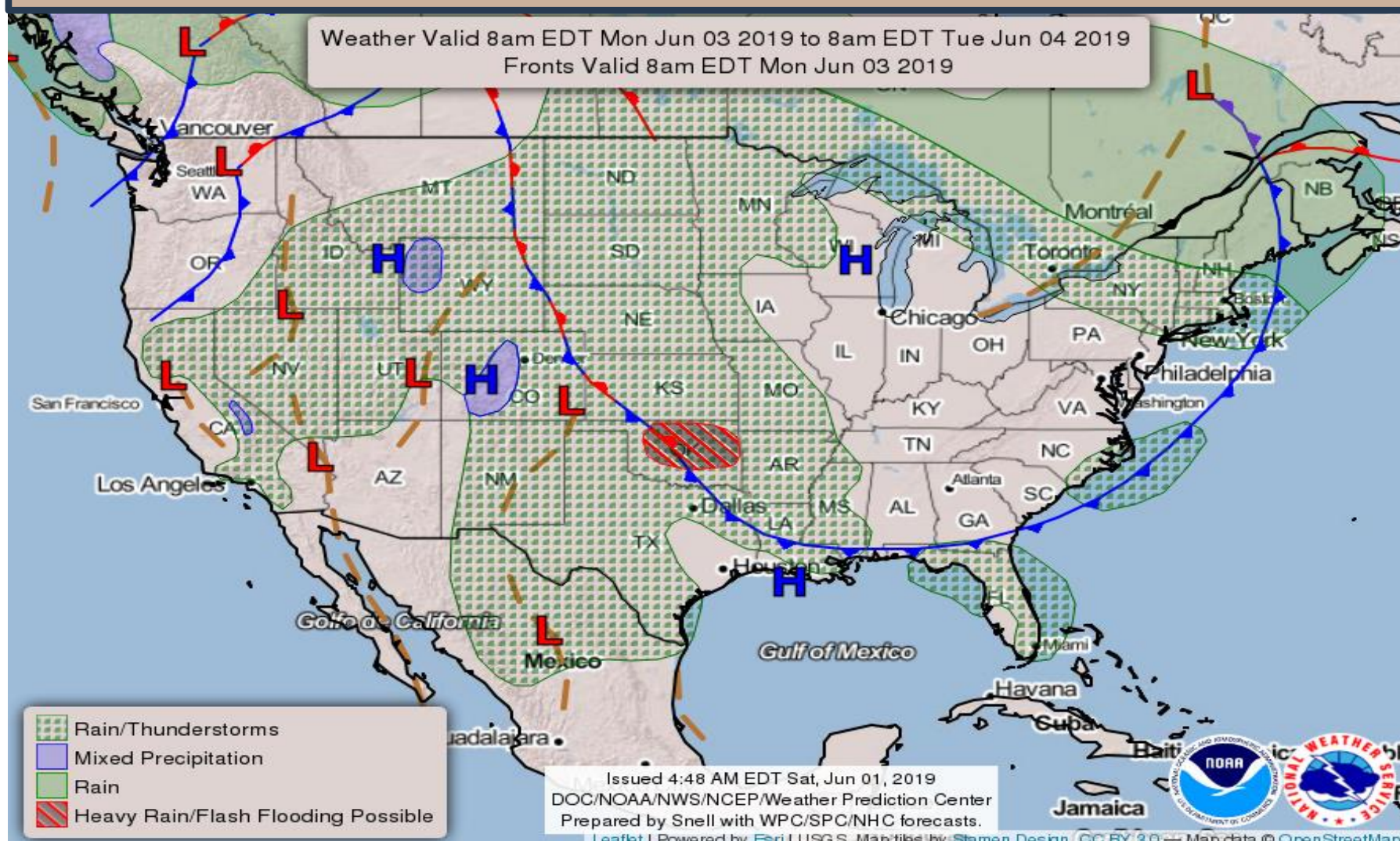
## Excessive Rainfall Outlook



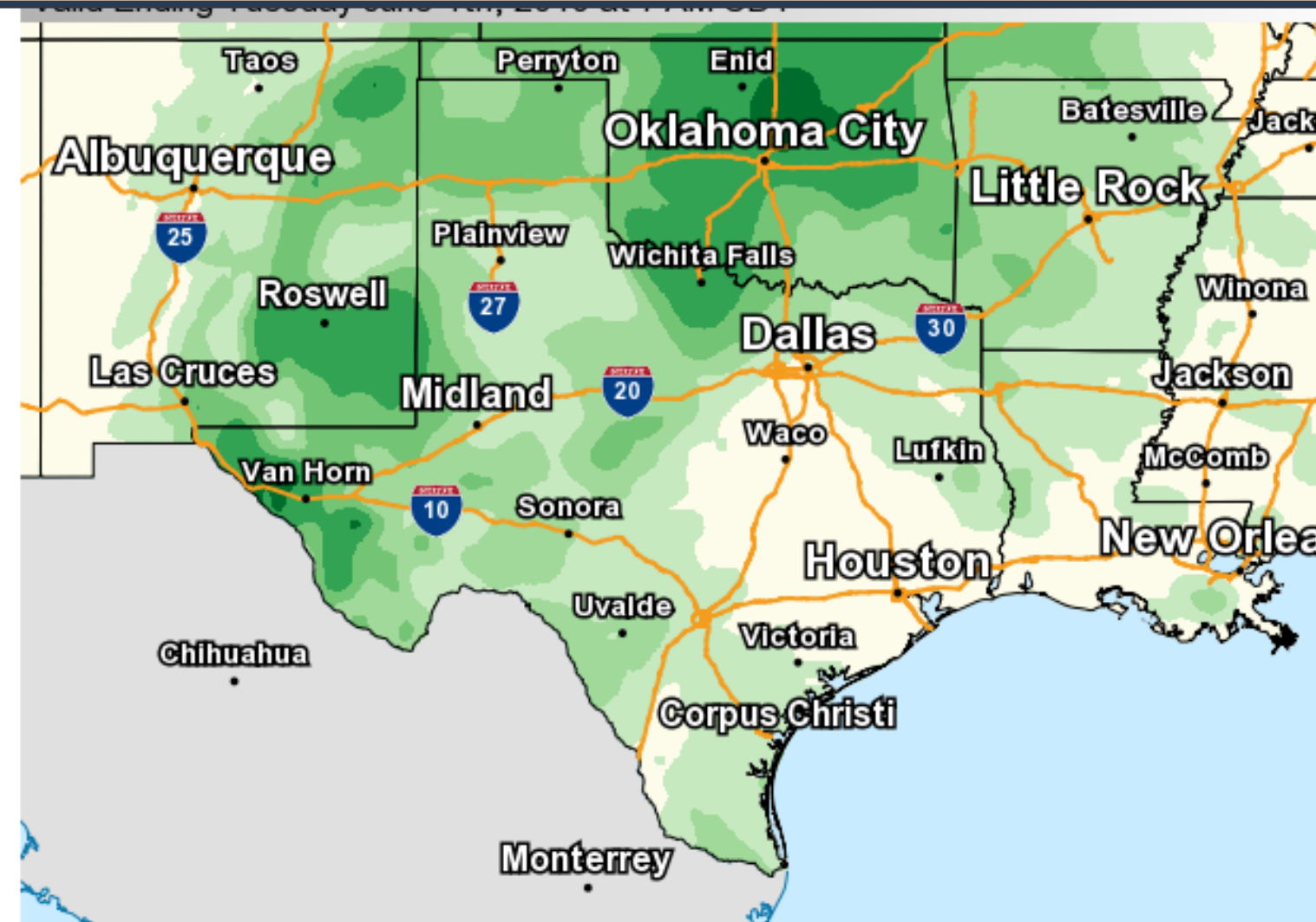
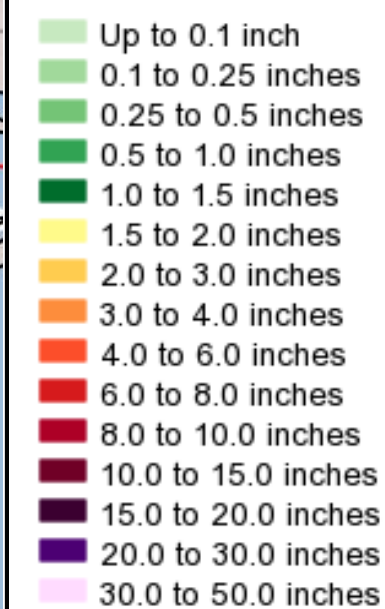


# Monday's Weather

## Forecast Chart



## Forecast Rainfall



Graphic Created  
June 1st, 2019



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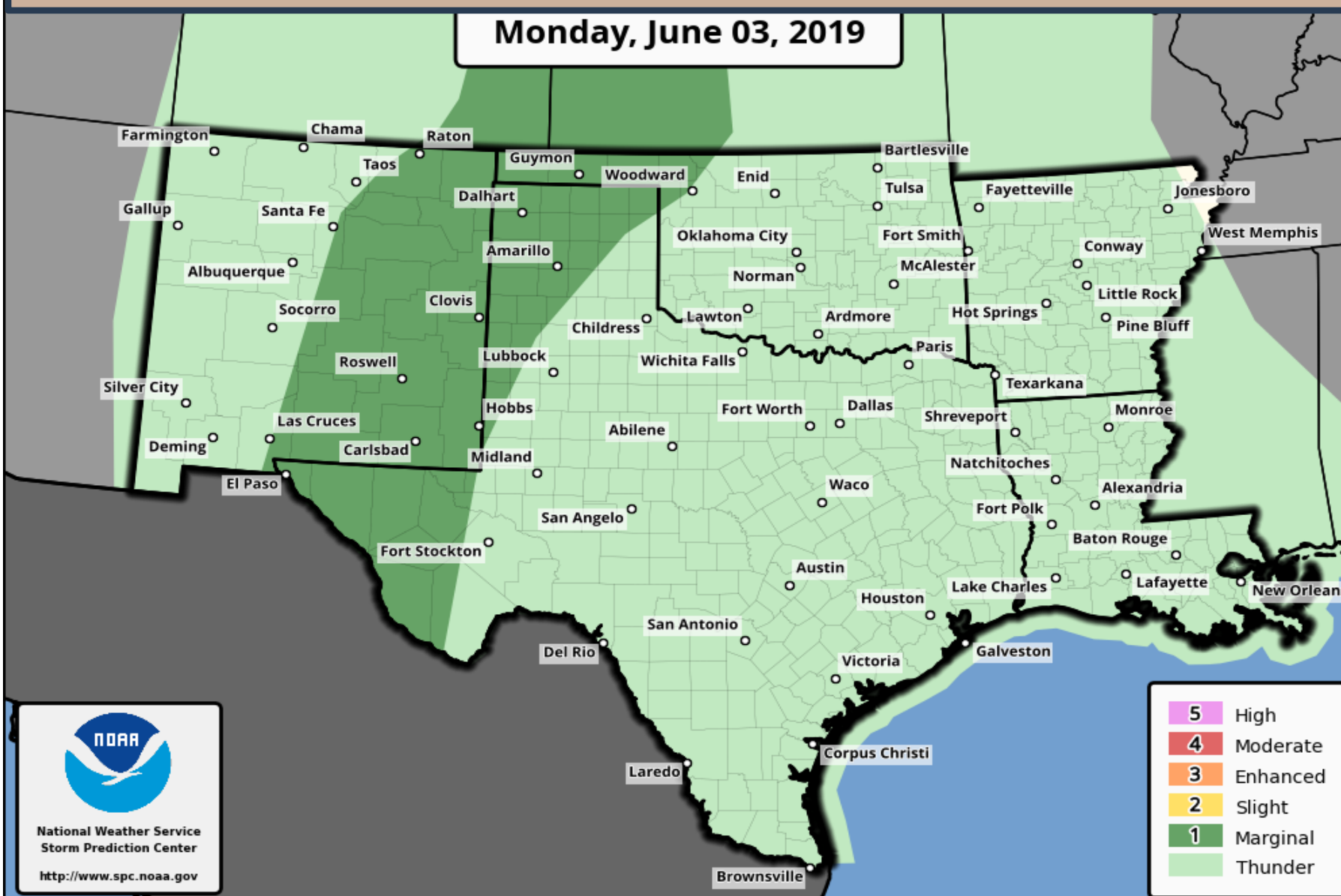
**Heavy rainfall/flash flooding possible across OK.**

**Isolated (Marginal risk) of severe storms across E NM and W TX into TX Panhandle.**

**Heavy rainfall/isolated flash flooding possible across W & N TX.**

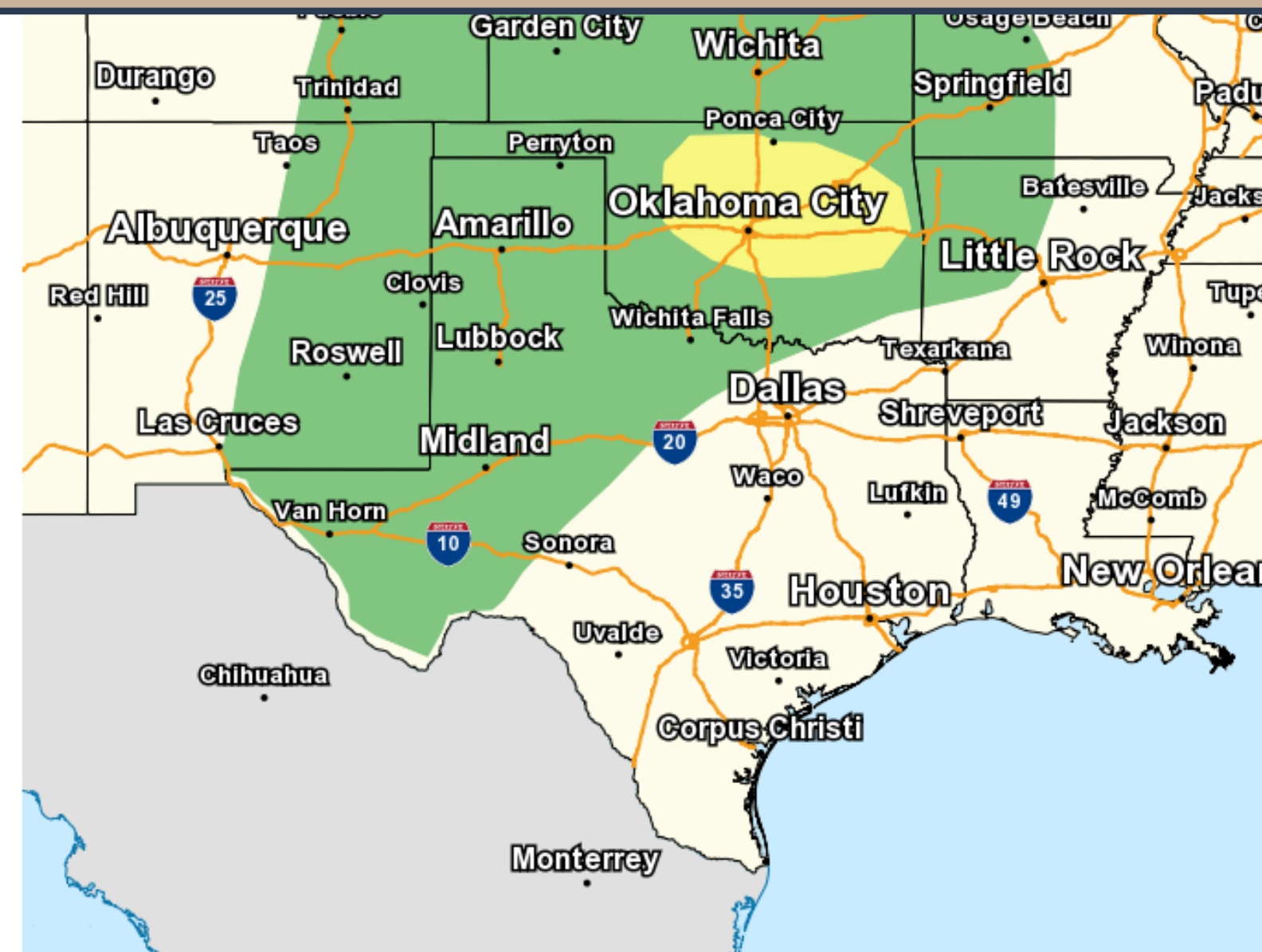
## Severe Weather Outlook

Monday, June 03, 2019



Graphic Created  
June 1st, 2019  
AM CDT

## Excessive Rainfall Outlook



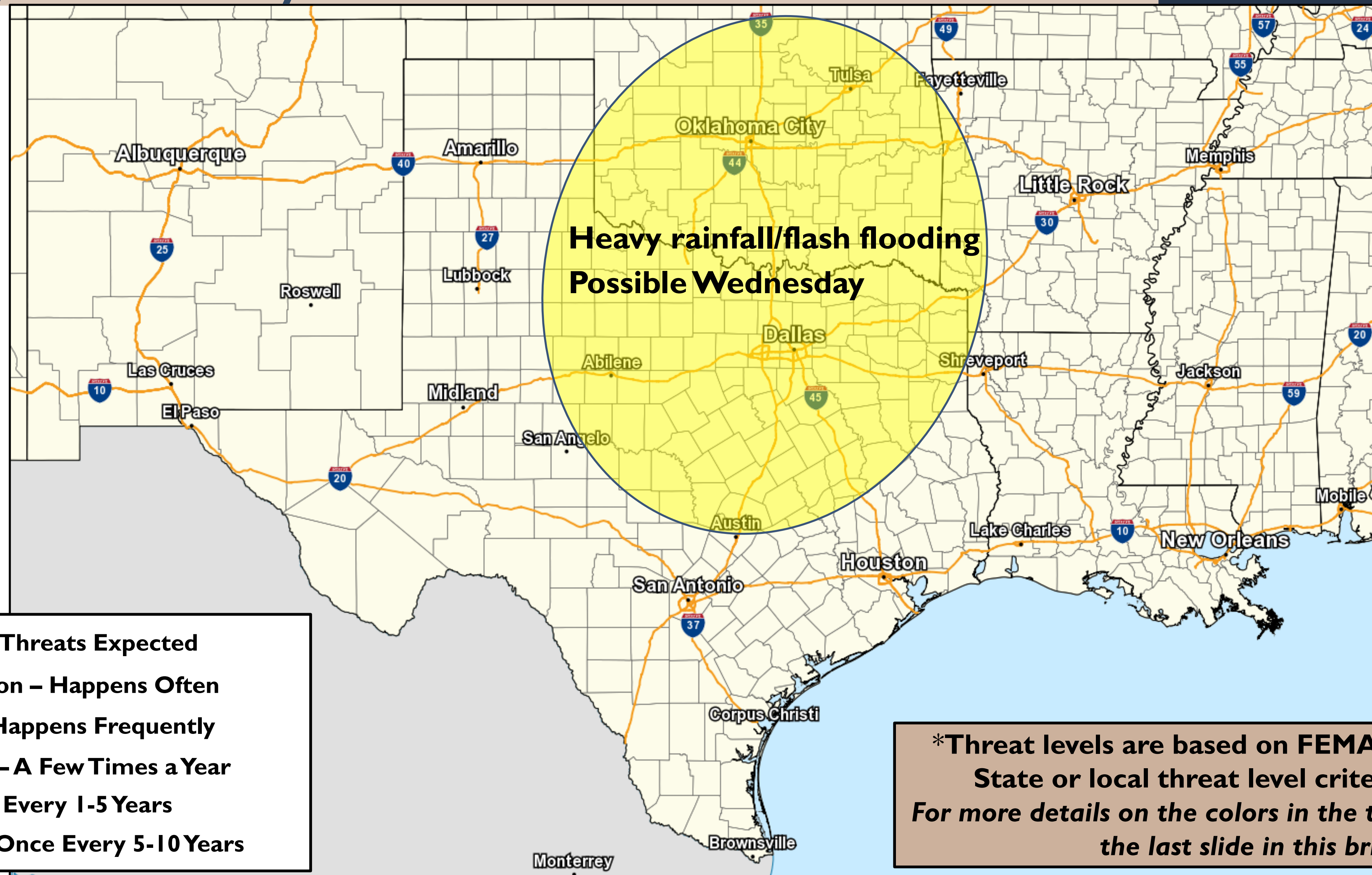


# Days 4-5 Weather Hazards

Tuesday – Wednesday



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- No Weather Threats Expected
- Very Common – Happens Often
- Common – Happens Frequently
- Uncommon – A Few Times a Year
- Rare – Once Every 1-5 Years
- Very Rare – Once Every 5-10 Years

**\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\***  
*For more details on the colors in the threat matrix refer to  
the last slide in this briefing.*

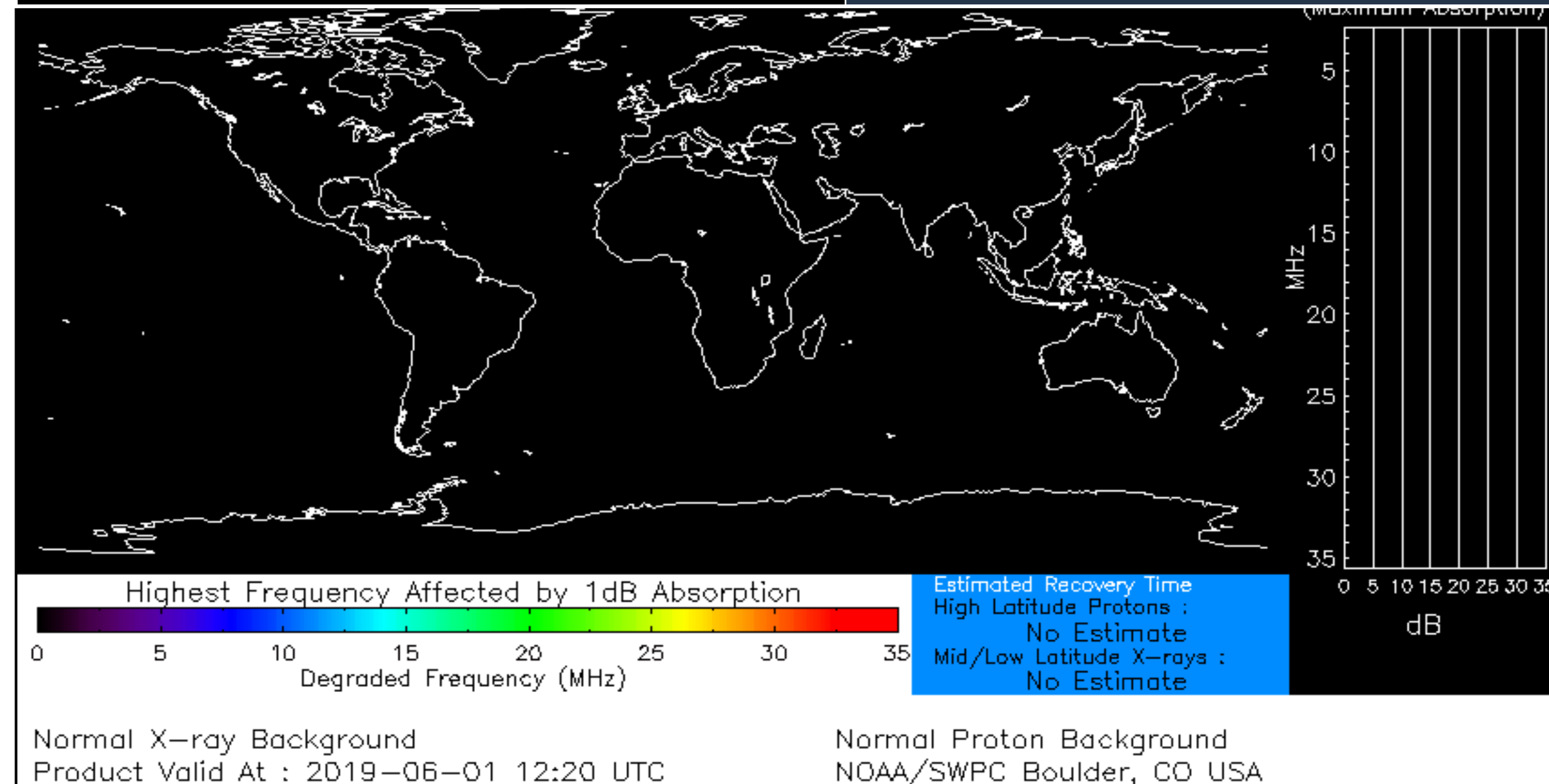


# Space Weather 3-Day Forecast



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	Saturday	Sunday	Monday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet to Unsettled (Max Kp = 3)	Quiet to Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)







# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**